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TC 1700 PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TC 1700

In the Application of

Keigo MIZUTANI et al.

Application No.: 10/067,212

Filed: February 7, 2002

For: IMPROVED STRUCTURE OF GAS SENSOR ELEMENT DESIGNED TO MINIMIZE  
ERROR OF SENSOR OUTPUT

Group Art Unit: 1758

Examiner: Ta Tung

Docket No.: 111920

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance or other action that closes prosecution (e.g., Quayle Action).
- ☒ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- ☒ 2. The references were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

- ☒ 3. English-language Abstracts of the non-English language references are attached hereto.

Respectfully submitted,



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Date: December 16, 2003

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Form PTO-1449  
(REV. 8-83)US Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
111920APPLICATION NO.  
10/067,212

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)  
Keigo MIZUTANI et al.FILING DATE  
February 7, 2002GROUP  
1753

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1	4,770,760	9/13/1988	Noda et al.		

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	2	JP A 64-039545 w/abstr	2/9/1989	Japan		
	3	WO 01/02845 A1 w/abstr	1/11/2001	WIPO		
	4	EP 0 831 322 A2	3/25/1998	Europe		
	5	EP 0 937 979 A2	8/25/1999	Europe		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: December 16, 2003